

WHAT IS CLAIMED IS:

1. A stand type image scanner comprising an exclusive light source portion for illuminating an original as a scanning object to be scanned and a scanning portion for detecting reflected light from the original to scan an original image, said scanning portion being arranged so as to be apart from said exclusive light source portion and the original;

wherein said exclusive light source portion applies light having a light intensity in a specific wavelength band within a wavelength band where the reflectivity of a portion to be dropped out on the original is high is higher than that in an unspecific wavelength band;

said scanning portion performing binary processing so as to regard a portion of the original where detection value of reflected light intensity is higher than a reference value as white color while regard a portion of the original where the detection value of the reflected light intensity is smaller than the reference value as black color.

2. A stand type image scanner as claimed in claim 1, wherein said scanning portion sets the reference value to a value smaller than the detection value of the reflected light intensity from the portion to be dropped out when the binary processing is carried out.

3. A stand type image scanner as claimed in claim 1, wherein the specific wavelength band is set to a wavelength band where the reflectivity of the portion to be dropped out is higher than that of a portion not to be dropped out.

4. A stand type image scanner as claimed in claim 3, wherein the reference value is set to a value higher than the detection value of the reflected light intensity from the portion not to be dropped out.

5. A stand type image scanner as claimed in claim 1, wherein said scanning portion records as an offset value the detection value of the reflected light intensity when environmental light is applied to the original, and with respect to a residual detection value obtained by subtracting the offset value from the detection value of the reflected light intensity when the light of the exclusive light source is applied, said scanning portion performs binary processing of regarding as white color a portion of the original at which the residual detection value is higher than a reference value and regarding as black color a portion of the original at which the residual detection value is smaller than the reference value.

6. A stand type image scanner as claimed in claim 5, wherein said scanning portion sets the reference value to a value smaller than the residual detection value.

7. A stand type image scanner as claimed in claim 1, wherein said exclusive light source portion has an optical filter for selectively transmitting light in the specific wavelength band, and the light transmitted through said optical filter is applied as the light of said exclusive light source.

8. A stand type image scanner as claimed in claim 1, wherein said scanning portion detects the reflected light intensity of the specific wavelength band as the detection value.

9. A stand type image scanner as claimed in claim 8, wherein said scanning portion has an optical filter for selectively transmitting light in the specific wavelength band, and the intensity of the light transmitted through said optical filter is detected as the detection value.

10. An image scanning method comprising the steps of:

when an original to be scanned is illuminated and reflected light from the original is detected to scan an original image, recording as an

offset value the detection value of reflected light intensity when environmental light is applied to the original;

applying light of an exclusive light source having a light intensity in a specific wavelength band within a wavelength band where the reflectivity of a portion to be dropped out on the original is high is higher than that of an unspecific wavelength band;

calculating a residual detection value obtained by subtracting the offset value from the detection value of the reflected light intensity when the light of the exclusive light source is applied; and

performing binary processing of regarding as white color a portion of the original where the residual detection value is higher than a reference value and regarding as black color a portion of the original where the residual detection value is smaller than the reference value.